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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/943,578	08/31/2001	Masakazu Funahashi	OHTN:004 9438		
7:	590 08/03/2004	EXAMINER			
PARKHURST & WENDEL, L.L.P. Suite 210			THOMPSON, CAMIE S		
1421 Prince Street			ART UNIT	PAPER NUMBER	
Alexandria, VA 22314-2805			1774		
			DATE MAIL ED. 09/02/200	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application	ı No.	Applicant(s)		1
		09/943,578	3	FUNAHASHI ET A	AL.	
Office Action Summary		Examiner		Art Unit		
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Period fo	The MAILING DATE of this communication app or Reply	pears on the	cover sheet with the c	orrespondence ad	ldress	
A SH THE - Exte after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPL' MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1. SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply operiod for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no even y within the statut will apply and will e, cause the applic	ort, however, may a reply be time ory minimum of thirty (30) day, expire SIX (6) MONTHS from the ation to become ABANDONE	nely filed rs will be considered timel the mailing date of this o D (35 U.S.C. § 133).		
Status						
_	Responsive to communication(s) filed on <u>American</u> This action is FINAL . 2b) This Since this application is in condition for alloware closed in accordance with the practice under Expression 1.	action is no	n-final. or formal matters, pro		e merits is	
Disposit	on of Claims					
5)□ 6)⊠ 7)□ 8)□ Applicati	Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) 1 and 2 is/are rejected. Claim(s) 3-15 is/are objected to. Claim(s) are subject to restriction and/or on Papers The application is a biasted to be the Freezier.	wn from cons				
•	The specification is objected to by the Examine		.	_		
10)[_]	The drawing(s) filed on is/are: a) _ acc					
11)[Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	ion is required	d if the drawing(s) is obj	jected to. See 37 Cf	. ,	
Priority ι	ınder 35 U.S.C. § 119					
a)l	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau see the attached detailed Office action for a list	s have been s have been rity documer u (PCT Rule	received. received in Applications have been received 17.2(a)).	on Noed in this National	Stage	
Attachmen	t(s)					
	e of References Cited (PTO-892)	4	1) Interview Summary			
3) 🔲 Inforr	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date		Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:)-152)	

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DETAILED ACTION

- 1. Applicant's amendment and accompanying remarks filed May 24, 2004 have been acknowledged.
- 2. Examiner acknowledges amended claims 1 and 2.
- 3. The rejection of claims 1-15 under 35 U.S.C. 112, second paragraph is withdrawn due to applicant's amended claims and argument.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States
- 5. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 07-175238.

The Japanese reference discloses a compound that comprises a styryl group that has arylamino groups attached at both ends of the carbon-carbon double bond (see formula I). The compound of the Japanese reference reads on instant claim 1 when n=0, R² is hydrogen, Ar¹ {corresponds to A and A' in instant claims 1 and 2} is a substituted or unsubstituted aryl group such as a phenyl group or a naphthyl group (see Table 1, nos. 28 and 31), Ar² and Ar³ are substituted or unsubstituted phenyl rings and R³ and R⁴ {corresponds to C, C', D and D'} are substituted or unsubstituted phenyl groups such as a

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naphthyl, anthryl or phenyl group (see reference claim 1 and Table 1, nos. 22, 23 and 25). When Ar¹ and R³ are naphthyl or anthryl groups, the Japanese reference satisfies the requirement for A' and C' to be substituted or unsubstituted condensed hydrocarbon group having 2 to 5 rings.

6. Claims 3-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The prior art of record fails to teach or suggest an electroluminescence device comprising a pair of electrodes and a film of organic compounds which is disposed between the pair of electrodes and comprises a single layer or a plurality of layers comprising at least a light emitting layer, wherein at least one of the layers of the film of organic compounds comprises the recited novel styryl compounds as described in instant claims 1 and 2.

Response to Arguments

7. Applicant's arguments filed May 24, 2004 have been fully considered but they are not persuasive. Applicant argues that the Japanese reference does not read on currently amended claim 1. Instant claim 1 requires groups A to D independently representing a substituted or unsubstituted alkyl group having 1 to 20 carbon atoms or a substituted or unsubstituted aryl group having 6 to 40 carbon atoms and at least two of A to D each represent a group represented by $-Ar^1Ar^2$ wherein Ar^1 represents a substituted or unsubstituted phenylene group or naphthalene group and Ar^2 represents a substituted or unsubstituted aryl group having 6 to 34 carbon atoms, excluding a case in which A and C represent biphenyl and B and represent phenyl group. The Ar^1 of the Japanese reference

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is equivalent to A in the instant formula (1). R³ and R⁴ of the Japanese reference are equivalent to C and D of the instant formula (1). The Japanese reference discloses that n can be zero and R² can be hydrogen; therefore, the formula comprises only CH=CH between the two arylamino groups. Additionally, R³ and R⁴ can be biphenyl, which is not excluded because R³ and R⁴ are equivalent to C and D and satisfies the requirement for at least two of A to D be represented by -Ar¹Ar². Also, when Ar¹ is an aryl group the requirement for A and C to not be biphenyl is satisfied. The Japanese reference satisfies all the limitations of instant claim 1.

8. Applicant's amendment of claim 2 necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Camie S. Thompson whose telephone number is (571) 272-1530. The examiner can normally be reached on Monday through Friday from 7:30

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am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye, can be reached at (571) 272-3186. The fax phone number for the Group is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RENA DYE
PRIMARY EXAMINER